

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A ferrite film, ~~comprising~~  
consisting essentially of magnetized grains that are regularly arranged and wherein

the ferrite film has magnetic anisotropy or is magnetically isotropic; has a ratio of peak in intensities corresponding to a (222) crystal lattice plane and a (311) crystal lattice plane in an X-ray diffraction pattern of a surface of the film,  $I_{222}/I_{311}$ , said ratio being larger than 0.05; is composed of at least one of Ni, Zn, Fe and O and contains Co in a molar ratio of  $Co/(Fe+Ni+Zn+Co)$  of 0.01/3 to 0.3/3.

2. (Original) A ferrite film as set forth in claim 1, wherein the ferrite film has magnetic anisotropy.

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

3. (Previously Presented) A ferrite film as set forth in claim 2, wherein the magnetized grains have uniaxial anisotropy.

4. (Previously Presented) A ferrite film as set forth in claim 3, having an axis of easy magnetization due to the uniaxial anisotropy of the magnetized grains, wherein the axis is either substantially parallel with a thickness direction of the ferrite film or substantially parallel with an in-plane direction of the ferrite film.

5. (Original) A ferrite film as set forth in claim 1, wherein the ferrite film is magnetically isotropic.

6. (Currently Amended) A ferrite film as set forth in claim 5, wherein the magnetized grains have ~~either uniaxial anisotropy or~~ entirely multiaxial anisotropy or a portion of the magnetized grains have uniaxial anisotropy and another portion of the magnetized grains have multiaxial anisotropy, each anisotropy of the magnetized grains being totally brought into isotropic state.

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

7. (Currently Amended) A ferrite film as set forth in claim 6, one portion of the magnetized grains having uniaxial anisotropy, another having multiaxial anisotropy, the ferrite film having an axis of easy magnetization due to the uniaxial anisotropy of the portion of the magnetized grains, wherein the axis is either substantially parallel with a thickness direction of the ferrite film or substantially parallel with an in-plane direction of the ferrite thin film.

8. (Original) A ferrite film as set forth in claim 1, wherein the ferrite film includes Ni, Zn, Fe and O.

9. (Currently Amended) A ferrite film as set forth in claim [[8]] 1, further including Co, wherein a content of Co, by a value of  $\text{Co}/(\text{Fe} + \text{Ni} + \text{Zn} + \text{Co})$  by molar ratio, is 0.01/3 to ~~0.3/3~~ 0.1/3.

10. (Original) A ferrite film as set forth in claim 9, wherein owing to induced magnetic anisotropy resulting from a peculiar distribution of Co ions, an axis of easy magnetization of the ferrite film is in substantially parallel with a thickness direction thereof or with an in-plane direction.

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

11. **(Currently Amended)** A ferrite film as set forth in claim 1, wherein the magnetized grains have uniaxial anisotropy and ~~include Co.~~

12. **(Previously Presented)** A ferrite film as set forth in claim 1, wherein the magnetized grains have multiaxial anisotropy and include Ni, Zn, Fe and O.

13. **(Canceled)**

14. **(Currently Amended)** A ferrite film as set forth in claim 1, said ferrite film including at least one kind of Ni, Zn, Fe and O and wherein Co is not present.

Claims 15 to 40 **(Canceled).**

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

**41. (New)** A ferrite film consisting essentially of magnetized grains that are regularly arranged and wherein the ferrite film has magnetic anisotropy or is magnetically isotropic; has a ratio of peak in intensities corresponding to a (222) crystal lattice plane and a (311) crystal lattice plane in an X-ray diffraction pattern of a surface of the film of  $I_{222}/I_{311}$  wherein said ratio is larger than 0.05;

and said ferrite film is composed of at least one of Ni, Zn, Fe and O.

**42. (New)** A ferrite film as set forth in claim 41, wherein the ferrite film has magnetic anisotropy.

**43. (New)** A ferrite film as set forth in claim 42, wherein the magnetized grains have uniaxial anisotropy.

**44. (New)** A ferrite film as set forth in claim 43, having an axis of easy magnetization due to the uniaxial anisotropy of the magnetized grains, wherein the axis is either substantially parallel with a thickness direction of the ferrite film or substantially parallel with an in-plane direction of the ferrite film.

Appl. No. 10/660,071

Reply to Office Action of June 27, 2005

45. (New) A ferrite film as set forth in claim 41, wherein the ferrite film is magnetically isotropic.

46. (New) A ferrite film as set forth in claim 45, wherein the magnetized grains have either uniaxial anisotropy or entirely multiaxial anisotropy or a portion of the magnetized grains have uniaxial anisotropy, each of the magnetized grains being totally brought into isotropic state.

47. (New) A ferrite film as set forth in claim 46, one portion of the magnetized grains having uniaxial anisotropy, another having multiaxial anisotropy, the ferrite film having an axis of easy magnetization due to the uniaxial anisotropy of the portion of the magnetized grains, wherein the axis is either substantially parallel with a thickness direction of the ferrite film or substantially parallel with an in-plane direction of the ferrite thin film.

48. (New) A ferrite film as set forth in claim 41, wherein the ferrite film includes Ni, Zn, Fe and O.

Appl. No. 10/660,071  
Reply to Office Action of June 27, 2005

49. (New) A ferrite film as set forth in claim 41, wherein the magnetized grains have uniaxial anisotropy.

50. (New) A ferrite film as set forth in claim 41, wherein the magnetized grains have multiaxial anisotropy and include Ni, Zn, Fe and O.